

Appl. No. 10/628,768  
Amdt. dated April 4, 2005  
Reply to Office action of January 4, 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (previously presented) The cabinet of claim 7, wherein said fan enclosure has a front wall and said exhaust port extends from the front wall of said fan enclosure.
5. (previously presented) The cabinet of claim 7, wherein said chamber includes a bottom wall having a front edge and a rear edge, said chamber having discharge openings adjacent the front and rear edges of said bottom wall.
6. (canceled)
7. (currently amended) A biological safety cabinet having a makeup air inlet comprising:
  - a) a work chamber having an air inlet and a contaminated air discharge opening;
  - b) a fan enclosure having an exhaust port;
  - c) a conduit extending from said contaminated air outlet discharge opening to said

fan enclosure, said conduit including a makeup air inlet;

d) a first HEPA filter between downstream of said contaminated air outlet and said air inlet and upstream of said fan enclosure; and

e) a fan within said fan enclosure to convey draw air through said conduit from said contaminated air outlet and said makeup air inlet through said first HEPA filter into said fan enclosure, said fan being the only means for conveying air ~~within the cabinet~~ through said conduit and said first HEPA filter and into said fan enclosure, whereby a positive pressure is created downstream of said fan so that a portion of the air is exhausted through the exhaust port and a portion of the air is returned to the work chamber, said fan being isolated from contaminated air by said first HEPA filter.

8. (original) The cabinet of claim 7, further including a second HEPA filter between said fan enclosure and said work chamber.

9. (original) The cabinet of claim 7, further including a filter covering said exhaust port.

10. (original) The cabinet of claim 7, wherein said fan enclosure is above said work chamber.

11. (original) The cabinet of claim 7, wherein said fan enclosure includes a top wall, said first HEPA filter extending across said top wall.

12. (currently amended) A biological safety cabinet comprising:

a) a work chamber having an air inlet and a contaminated air discharge opening;

- b) a fan enclosure above said work chamber, said enclosure having an exhaust port, a top and a bottom;
- c) a conduit extending from said discharge opening to said fan enclosure said conduit including a makeup air inlet;
- d) a first HEPA filter between downstream of said contaminated air outlet and said air inlet and upstream of said fan enclosure;
- e) a second HEPA filter between said fan enclosure and said work chamber; and
- f) a fan within said fan enclosure to convey draw air through said conduit through said first HEPA filter and into said fan enclosure, said fan being the only means for conveying air within the cabinet through said conduit and said first HEPA filter and into said fan enclosure and to discharge air under positive pressure from said fan enclosure through said exhaust port and through said second HEPA filter into said work chamber, said fan being isolated from contaminated air by said HEPA filters.

13. (original) The cabinet of claim 12, wherein said conduit extends to the top of said fan enclosure.

14. (original) The cabinet of claim 12, wherein said HEPA filter extends across the top of said fan enclosure.

15. (original) The cabinet of claim 12, wherein said first and second HEPA filters are horizontal and parallel to each other.

16. (original) The cabinet of claim 12, wherein said fan enclosure has a front, said

exhaust port being in the front of said enclosure.

17. (original) The cabinet of claim 12, wherein said exhaust port is filtered.